Title (en)

Method for producing a multi-layer analysis element

Title (de)

Verfahren zur Herstellung eines mehrschichtigen Analyseelements

Title (fr)

Procédé pour la fabrication d'un élément d'analyse multicouche

Publication

**EP 1834696 B1 20130220 (DE)**

Application

**EP 06111117 A 20060314**

Priority

EP 06111117 A 20060314

Abstract (en)

[origin: EP1834696A1] The method involves providing an analysis element blank (1) comprising two superposed material layers e.g. polymer layer and detection film (2). A multi-layer analysis element or a constituent part of the multi-layer analysis element is cut from the blank using a laser beam (30), where the element is a test strip with a test field configured for electrochemical or photometric analysis of a liquid sample. The laser beam has laser power to cut through different layers, where the power is varied by a pre-programmed control system as a function of thicknesses and composition of the layers. An independent claim is also included for a method for producing a multi-layer analysis element or a constituent part of the multi-layer analysis element of a type having a test field for analysis of liquid samples.

IPC 8 full level

**B01L 3/00** (2006.01); **G01N 35/00** (2006.01)

CPC (source: EP US)

**B01L 3/5023** (2013.01 - EP US); **B23K 26/0626** (2013.01 - EP US); **B23K 26/0846** (2013.01 - EP US); **B23K 26/40** (2013.01 - EP US); B01L 2200/12 (2013.01 - EP US); B01L 2300/0825 (2013.01 - EP US); B01L 2300/0887 (2013.01 - EP US); B23K 2103/172 (2018.07 - EP US); B23K 2103/42 (2018.07 - EP US); B23K 2103/50 (2018.07 - EP US); Y10T 156/1064 (2015.01 - EP US); Y10T 156/1084 (2015.01 - EP US)

Cited by

US8404478B2; US11331748B2; EP2223746A1; EP3025782A1; WO2010092160A1; WO2018114390A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1834696 A1 20070919**; **EP 1834696 B1 20130220**; CA 2579186 A1 20070914; CA 2579186 C 20130820; CN 101038285 A 20070919; CN 101038285 B 20120425; ES 2401692 T3 20130423; HK 1113404 A1 20081003; JP 2007248461 A 20070927; JP 4713521 B2 20110629; PL 1834696 T3 20130830; US 2007215582 A1 20070920; US 7857924 B2 20101228

DOCDB simple family (application)

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